Attorney's Docket No.: 81131258

Please replace the Abstract with the attached amended/substitute Abstract:

ABSTRACT

Successive round keys of an expanded key according to the AES block cipher

algorithm are generated from an initial cryptographic key, for use in a

cryptographic (encryption and/or decryption) engine, in real time as the

cryptographic process is executing. A limited key memory is used by overwriting

previously generated words of the expanded key, leaving only the words of the

initial key and the final key in the memory. Thus, a subsequent cryptographic

operation can recommence either in the encryption or decryption direction, without

delay to the cryptographic engine. [Fig. 3.]